

PROGRAM CHAIRMAN

David Kritchevsky

PROGRAM

List of Participants 3681

PLENARY SESSION

Introduction to the Workshop on Fat and Cancer.
David Kritchevsky and Diane J. Fink 3684

Epidemiological Correlations between Diet and Cancer Frequency.
Pelayo Correa 3685

Techniques for Carcinogenicity Studies.
Elizabeth K. Weisburger 3690

Neutral Fats and Cancer.
Kenneth K. Carroll 3695

Dietary Fat and Its Relationship to Large Bowel Cancer.
Bandaru S. Reddy 3700

Lipids and Immune Function.
Joseph J. Vitale and Selwyn A. Broitman 3706

Obesity, Hormones, and Cancer.
Marvin A. Kirschner, Norman Ertel, and George Schneider 3711

Lipids and Atherosclerosis.
Ivan D. Frantz, Jr. 3718

WORKING GROUP I

Epidemiology—Lipid-related Studies

Chairperson: Ernst L. Wynder
Rapporteur: Saxon Graham

Reassessment of the Role of Dietary Fat in Cancer Etiology.
James E. Enstrom 3722

Protocol for a Study of Nutritional Factors and the Low Risk of Colon Cancer in Southern Retirement Areas.
Regina G. Ziegler, William J. Blot, Robert Hoover, William A. Blattner, and Joseph F. Fraumeni, Jr. 3724

Dietary Fat Intake and Cancer Incidence among Five Ethnic Groups in Hawaii.
Laurence N. Kolonel, Jean H. Hankin, Abraham M. Nomura, and Susan Y. Chu 3727

Food Supply Studies and Consumption Survey Statistics on Fat in United States Diets.
Robert L. Rizek 3729

Some Methodological Issues in Epidemiological Studies of Fat and Cancer.
G. R. Howe 3731

Summary of Deliberations.
Saxon Graham 3733

WORKING GROUP II

Fatty Acids, Steroids, and Cancer

Chairperson: Gilbert A. Leveille
Rapporteur: Adrienne E. Rogers

Introduction.
Gilbert A. Leveille 3734

Mammary Carcinogenesis in Rats Fed Different Amounts and Types of Fat.
Adrienne E. Rogers and William C. Wetsel 3735

Cholesterol Excretion and Colon Cancer.
Selwyn A. Broitman 3738

Effects of Dietary Fat on Incidence of Spontaneous and Induced Cancer in Mice. <i>R. R. Brown</i>	3741
Comments on the Effects of Dietary <i>trans</i> -Fatty Acids in Humans. <i>Mark Keeney</i>	3743
Evidence That the Effectiveness of Antioxidants as Inhibitors of 7,12-Dimethylbenz(a)anthracene-induced Mammary Tumors Is a Function of Dietary Fat Composition. <i>Paul B. McCay, M. Margaret King, and Jan V. Pitha</i>	3745
The Need for Comprehensive Diet Studies to Assess the Relation of Lipids to Cancer. <i>Ann W. Sorenson and Joseph C. Street</i>	3748
Effects of Dietary Essential Fatty Acids on Murine Mammary Gland Development. <i>Richard A. Knazek and Sue C. Liu</i>	3750
Summary of Proceedings. <i>G. A. Leveille and A. E. Rogers</i>	3752

WORKING GROUP III

Lipid Metabolites and Intestinal Flora

Chairperson: George V. Vahouny
Rapporteur: Ruth Kay

Introduction. <i>George V. Vahouny and Ruth Kay</i>	3755
Bile Acid Synthesis in Humans. <i>Leon Swell, Jan Gustafsson, Henry Danielsson, Charles C. Schwartz, L. Gregg Halloran, and Z. Reno Vlahcevic</i>	3757
Effects of Bile Acids on Colon Carcinogenesis in Rats Treated with Carcinogens. <i>Bertram Ira Cohen and Robert Franklin Raicht</i>	3759
Nature of Tissue-bound Lithocholic Acid and Its Implications in the Role of Bile Acids in Carcinogenesis. <i>Nabila Turjman and Padmanabhan P. Nair</i>	3761
Ultrastructural Modifications of Intestinal and Colonic Mucosa Induced by Free or Bound Bile Acids. <i>George V. Vahouny, Marie M. Cassidy, Fred Lightfoot, Laretta Grau, and David Kritchevsky</i>	3764
Diet and Excretion of Bile Acids. <i>Bandaru S. Reddy</i>	3766
Animal Studies Implicating Fat and Fecal Steroids in Intestinal Cancer. <i>Norman D. Nigro</i>	3769
Effect of Diet on Excretion of Estrogens in Pre- and Postmenopausal Women. <i>Barry R. Goldin, Herman Adlercreutz, Johanna T. Dwyer, Linda Swenson, James H. Warram, and Sherwood L. Gorbach</i>	3771
Effects of Diet on the Fecal Excretion and Bacterial Modification of Acidic and Neutral Steroids, and Implications for Colon Carcinogenesis. <i>Ruth M. Kay</i>	3774
Diet and the Human Intestinal Bacterial Flora. <i>M. J. Hill</i>	3778
Summary, Conclusion, and Recommendations. <i>George V. Vahouny and Ruth Kay</i>	3781

WORKING GROUP IV

Lipids and the Immune System

Chairperson: Paul M. Newberne
Rapporteur: Gary B. Thurman

Dietary Fat, Immunological Response, and Cancer in Rats. <i>Paul M. Newberne</i>	3783
Plasma Lipoproteins with Bioregulatory Properties Including the Capacity to Regulate Lymphocyte Function and the Immune Response. <i>Thomas S. Edgington and Linda K. Curtiss</i>	3786
Difference in the Ability of Compactin and Oxidized Cholesterol, Both Known Inhibitors of Cholesterol Biosynthesis, to Suppress <i>in Vitro</i> Immune Responses. <i>Gillian M. K. Humphries</i>	3789
Cholesterol and Its Biosynthesis in Normal and Malignant Lymphocytes. <i>H. J. Heiniger</i>	3792
SEPTEMBER 1981	3679

Immune Response in Overnutrition. <i>R. K. Chandra</i>	3795
Impact of Infectious Disease upon Fat Metabolism and Immune Functions. <i>William R. Beisel</i>	3797
Inhibition by Membrane-bound Low-Density Lipoproteins of the Primary Inductive Events of Mitogen-stimulated Lymphocyte Activation. <i>Judith A. K. Harmony and David Y. Hui</i>	3799
Report and Recommendations. <i>Paul M. Newberne and Gary B. Thurman</i>	3803

WORKING GROUP V

Hormones, Fat, and Cancer

Chairperson: Samuel B. Tove

Rapporteur: Barnett Zumoff

Influence of Obesity and Malnutrition on the Metabolism of Some Cancer-related Hormones. <i>Barnett Zumoff</i>	3805
Mechanisms by Which Dietary Fat May Stimulate Mammary Carcinogenesis in Experimental Animals. <i>Leonard A. Cohen</i>	3808
Endocrine Parameters and α -Tocopherol Therapy of Patients with Mammary Dysplasia. <i>Robert S. London, G. S. Sundaram, Michael Schultz, P. P. Nair, and Phillip J. Goldstein</i>	3811
Serum Hormones and Lipoproteins in Benign Breast Disease. <i>G. S. Sundaram, Robert London, Simeon Margolis, Robert Wenk, Jack Lustgarten, P. P. Nair, and Phillip Goldstein</i>	3814
Environmental Factors and Breast and Prostatic Cancer. <i>P. Hill, L. Garbaczewski, P. Helman, A. R. P. Walker, H. Garnes, and E. L. Wynder</i>	3817
Hormones and Mouse Mammary Tumorigenesis. <i>Daniel Medina</i>	3819
Hormonal Regulation of the Metabolism of Carcinogens in Renal Tissue of BALB/c Mice. <i>Suresh Mohla, F. R. Ampy, K. J. Sanders, and Wayne E. Criss</i>	3821
Report and Recommendations. <i>Samuel B. Tove</i>	3824
Closing Remarks. <i>David Kritchevsky and Diane J. Fink</i>	3825

Cancer Research

The Journal of Cancer Research (1916–1930) | The American Journal of Cancer (1931–1940)

41 (9 Part 2)

Cancer Res 1981;41:3681-3825.

Updated version Access the most recent version of this article at:
http://cancerres.aacrjournals.org/content/41/9_Part_2.citation

E-mail alerts [Sign up to receive free email-alerts](#) related to this article or journal.

Reprints and Subscriptions To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions To request permission to re-use all or part of this article, use this link http://cancerres.aacrjournals.org/content/41/9_Part_2.citation. Click on "Request Permissions" which will take you to the Copyright Clearance Center's (CCC) Rightslink site.